FIG. 1

PRINTED MATTER				RED LIGHT EMISSION INTENSITY	GREEN LIGHT EMISSION INTENSITY	BLUE LIGHT EMISSION INTENSITY	REPRODUCED COLOR THROUGH EXPOSURE		
BK	C	M	Y						
0	0	0	1	100	100	10	Y		②
0	0	1	0	100	10	100	M		
0	1	0	0	10	100	100	C		
0	1	1	0	10	10	100	B		
0	1	0	1	10	100	10	G		
0	0	1	1	100	10	10	R		
0	1	1	1	10	10	10	GY		
0	0	0	0	100	100	100	W		
1	0	0	0	5	5	5	BK		
1	0	0	1	5	5	0	BK+	Y	①
1	0	1	0	5	0	5		M	
1	0	1	1	5	0	0		R	
1	1	0	0	0	5	5		C	
1	1	0	1	0	5	0		G	
1	1	1	0	0	0	5		B	
1	1	1	1	0	0	0		GY	

FIG. 2

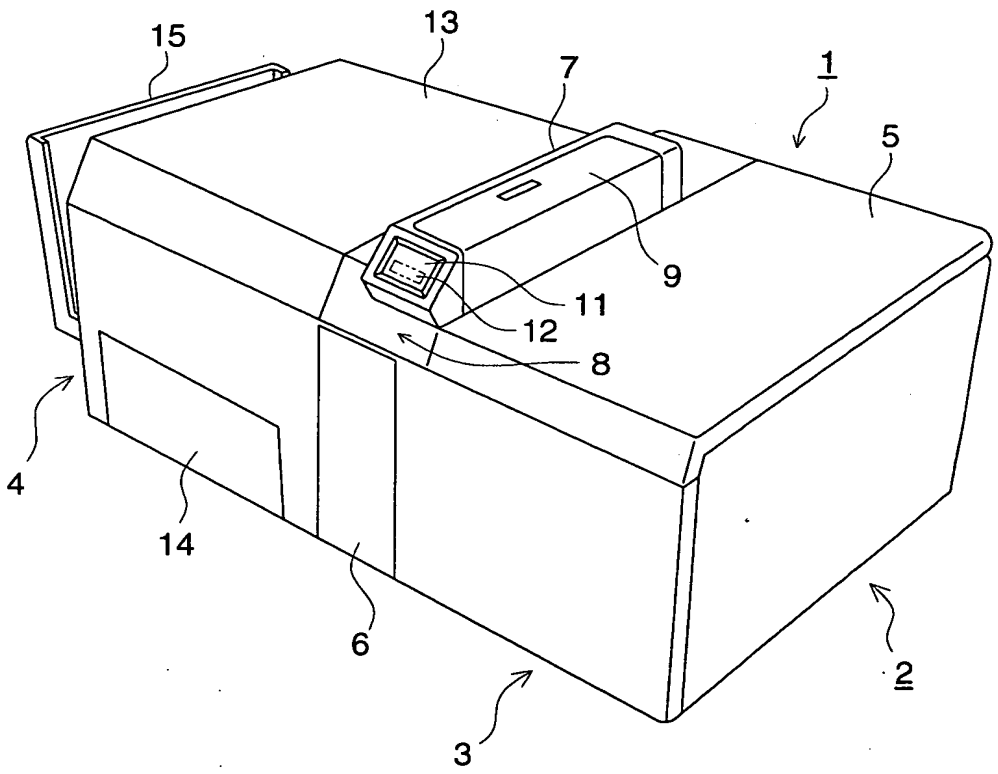
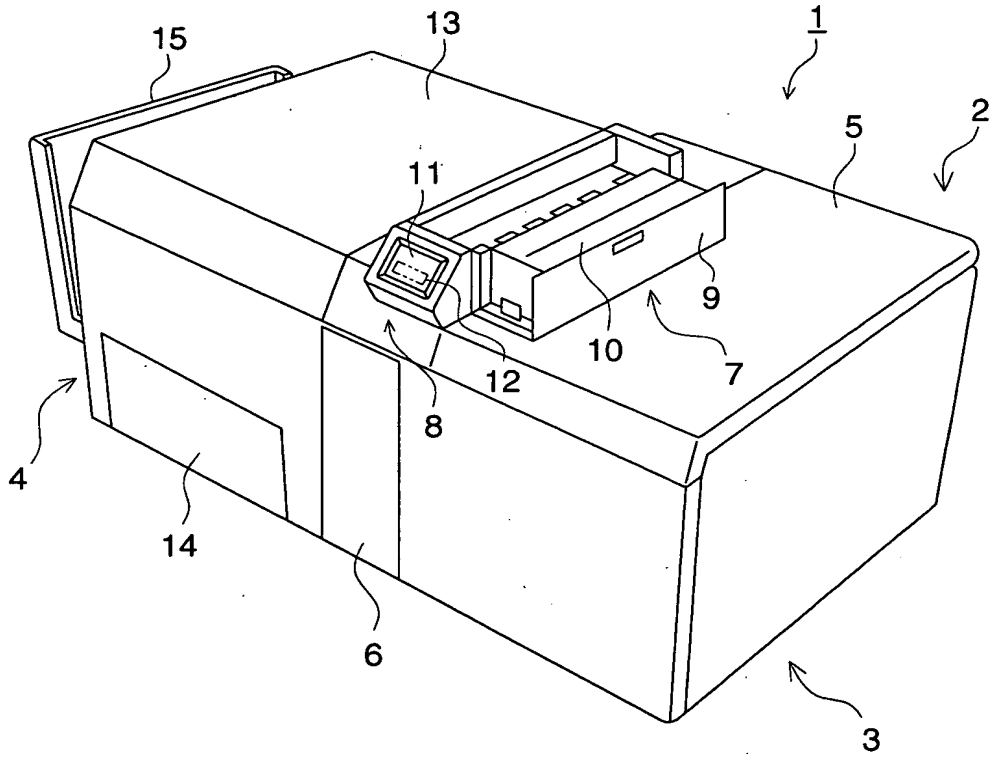


FIG. 3



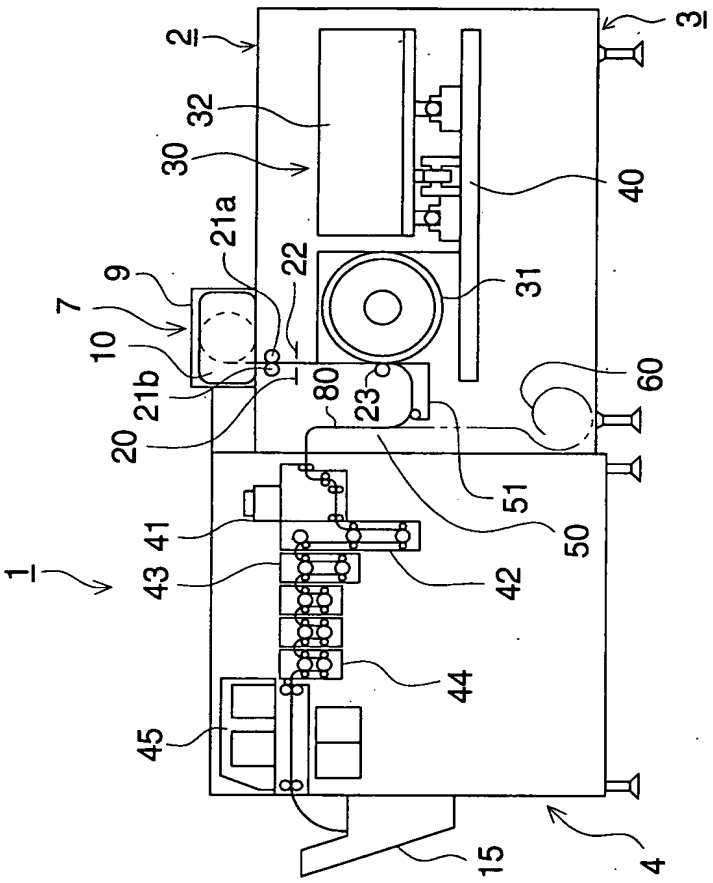


FIG. 4

FIG. 5

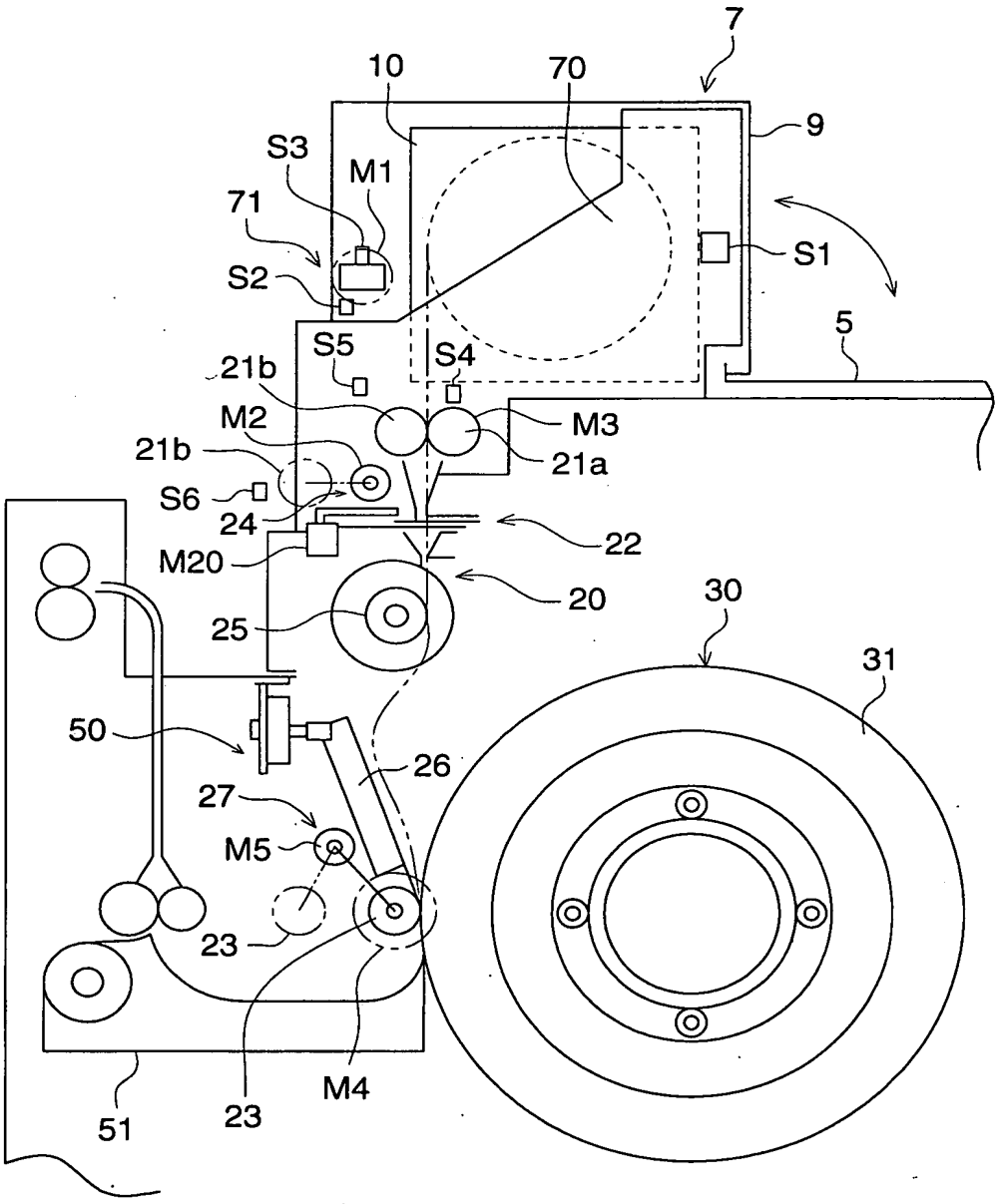

7
10
70
9
S3
M1
71
S1
S2
5
S5
S4
21b
M2
M3
21b
21a
S6
24
22
M20
20
30
25
31
50
26
27
M5
23
M4
51
23

FIG. 6

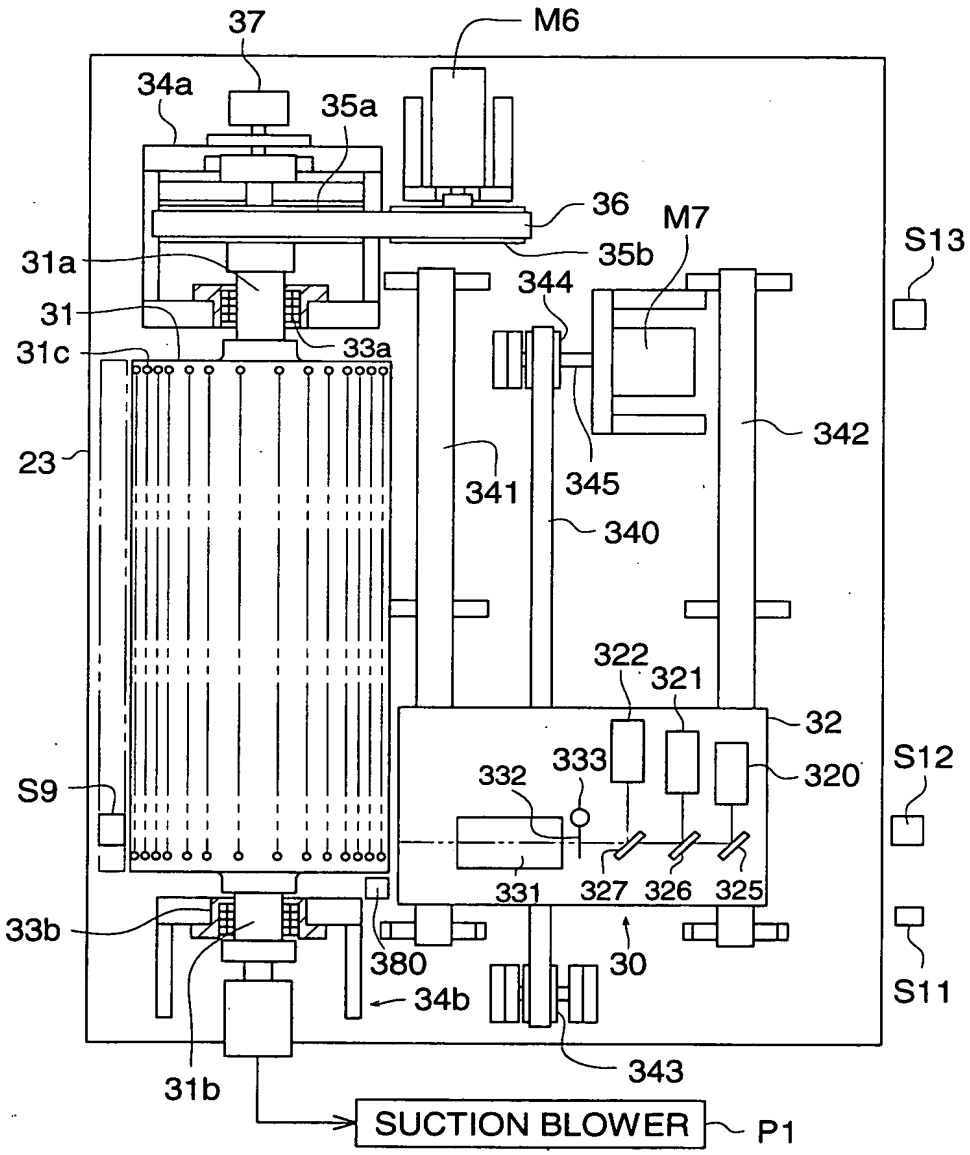

37
M6
34a
35a
36
M7
S13
31a
35b
344
31
33a
31c
342
23
341
345
340
322
321
32
S12
333
320
S9
332
331
327
326
325
33b
380
30
34b
S11
343
31b
SUCTION BLOWER
P1

FIG. 7

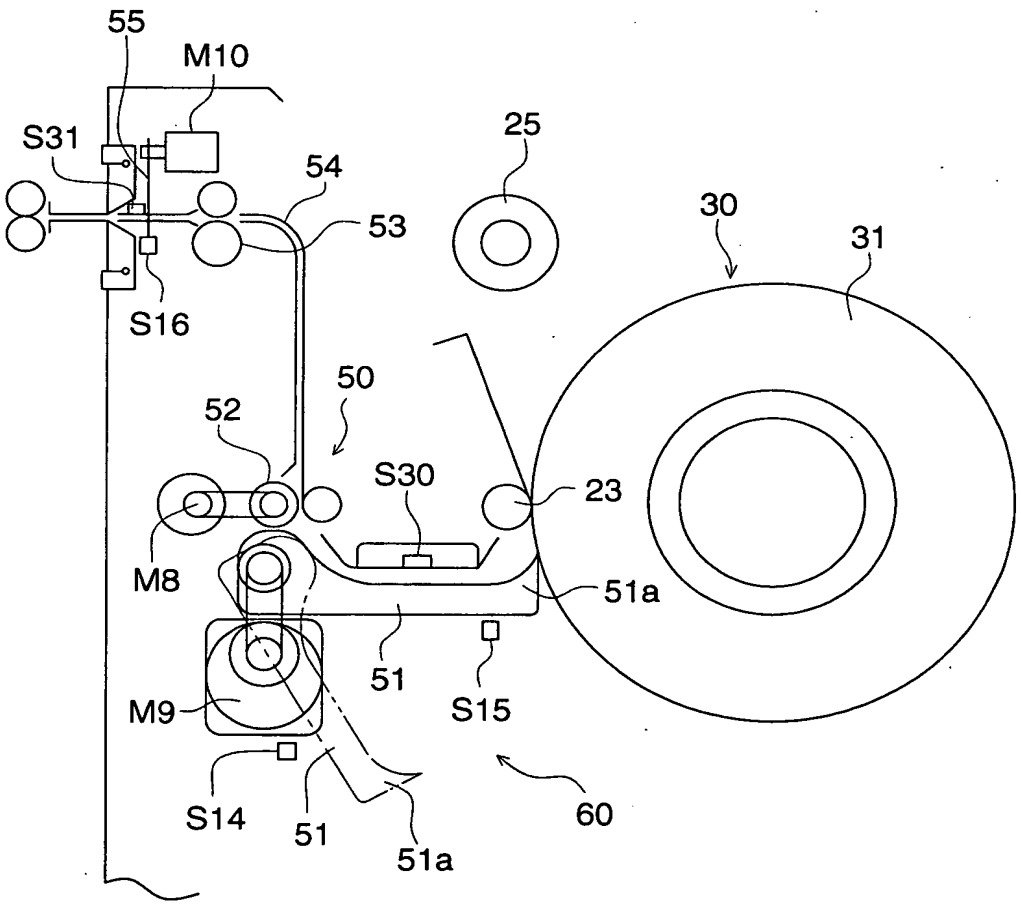

55
M10
S31
54
25
30
31
53
S16
50
52
S30
23
M8
51a
51
S15
M9
S14
51
51a
60

FIG. 8

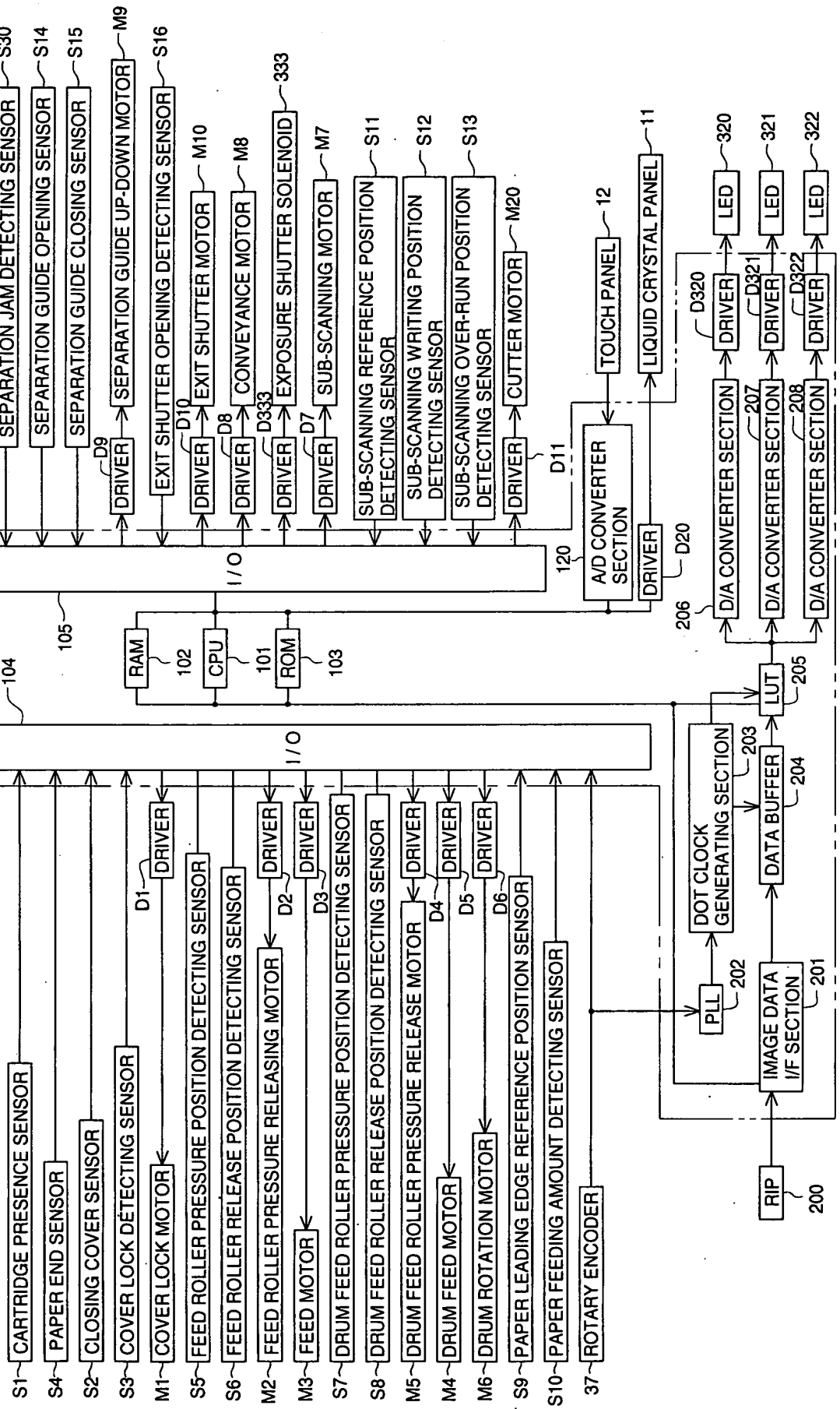

RIP
200
IMAGE DATA I/F SECTION
201
PLL
202
DOT CLOCK GENERATING SECTION
203
DATA BUFFER
204
LUT
205
206
D/A CONVERTER SECTION
207
208
DRIVER
D320
D321
D322
LED
320
321
322
LIQUID CRYSTAL PANEL
11
TOUCH PANEL
12
A/D CONVERTER SECTION
120
DRIVER
D20
I/O
105
100
104
RAM
102
CPU
101
ROM
103
SEPARATION JAM DETECTING SENSOR
S30
SEPARATION GUIDE OPENING SENSOR
S14
SEPARATION GUIDE CLOSING SENSOR
S15
SEPARATION GUIDE UP-DOWN MOTOR
M9
S16
EXIT SHUTTER OPENING DETECTING SENSOR
EXIT SHUTTER MOTOR
M10
CONVEYANCE MOTOR
M8
EXPOSURE SHUTTER SOLENOID
333
SUB-SCANNING MOTOR
M7
SUB-SCANNING REFERENCE POSITION DETECTING SENSOR
S11
SUB-SCANNING WRITING POSITION DETECTING SENSOR
S12
SUB-SCANNING OVER-RUN POSITION DETECTING SENSOR
S13
CUTTER MOTOR
M20
D9
D10
D8
D333
D7
D11
CARTRIDGE PRESENCE SENSOR
S1
PAPER END SENSOR
S4
CLOSING COVER SENSOR
S2
COVER LOCK DETECTING SENSOR
S3
COVER LOCK MOTOR
M1
FEED ROLLER PRESSURE POSITION DETECTING SENSOR
S5
FEED ROLLER RELEASE POSITION DETECTING SENSOR
S6
FEED ROLLER PRESSURE RELEASING MOTOR
M2
FEED MOTOR
M3
DRUM FEED ROLLER PRESSURE POSITION DETECTING SENSOR
S7
DRUM FEED ROLLER RELEASE POSITION DETECTING SENSOR
S8
DRUM FEED ROLLER PRESSURE RELEASE MOTOR
M5
DRUM FEED MOTOR
M4
DRUM ROTATION MOTOR
M6
PAPER LEADING EDGE REFERENCE POSITION SENSOR
S9
PAPER FEEDING AMOUNT DETECTING SENSOR
S10
ROTARY ENCODER
37
D1
D2
D3
D4
D5
D6

FIG. 9

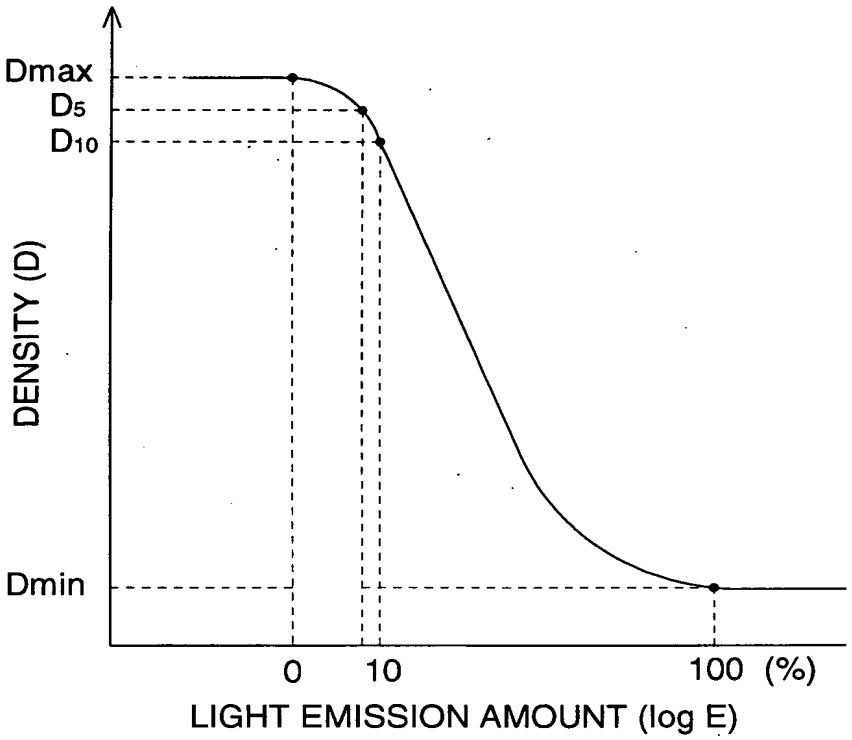


FIG. 10

PRIOR ART

PRINTED MATTER				RED LIGHT EMISSION INTENSITY	GREEN LIGHT EMISSION INTENSITY	BLUE LIGHT EMISSION INTENSITY	REPRODUCED COLOR THROUGH EXPOSURE	
BK	C	M	Y					
0	0	0	1	100	100	0	Y	
0	0	1	0	100	0	100	M	
0	1	0	0	0	100	100	C	
0	1	1	0	0	0	100	B	
0	1	0	1	0	100	0	G	
0	0	1	1	100	0	0	R	
0	1	1	1	0	0	0	GY	
0	0	0	0	100	100	100	W	
1	0	0	0	0	0	0	BK	①
1	0	0	1	0	0	0		
1	0	1	0	0	0	0		
1	0	1	1	0	0	0		
1	1	0	0	0	0	0		
1	1	0	1	0	0	0		
1	1	1	0	0	0	0		
1	1	1	1	0	0	0		

FIG. 11

PRINTED MATTER				RED LIGHT EMISSION INTENSITY	GREEN LIGHT EMISSION INTENSITY	BLUE LIGHT EMISSION INTENSITY	REPRODUCED COLOR THROUGH EXPOSURE		
BK	C	M	Y						
0	0	0	1	0	0	90	Y		②
0	0	1	0	0	90	0	M		
0	1	0	0	90	0	0	C		
0	1	1	0	90	90	0	B		
0	1	0	1	90	0	90	G		
0	0	1	1	0	90	90	R		
0	1	1	1	90	90	90	GY		
0	0	0	0	0	0	0	W		
1	0	0	0	95	95	95	BK		①
1	0	0	1	95	95	100	BK+	Y	
1	0	1	0	95	100	95		M	
1	0	1	1	95	100	100		R	
1	1	0	0	100	95	95		C	
1	1	0	1	100	95	100		G	
1	1	1	0	100	100	95		B	
1	1	1	1	100	100	100		GY	

FIG. 12

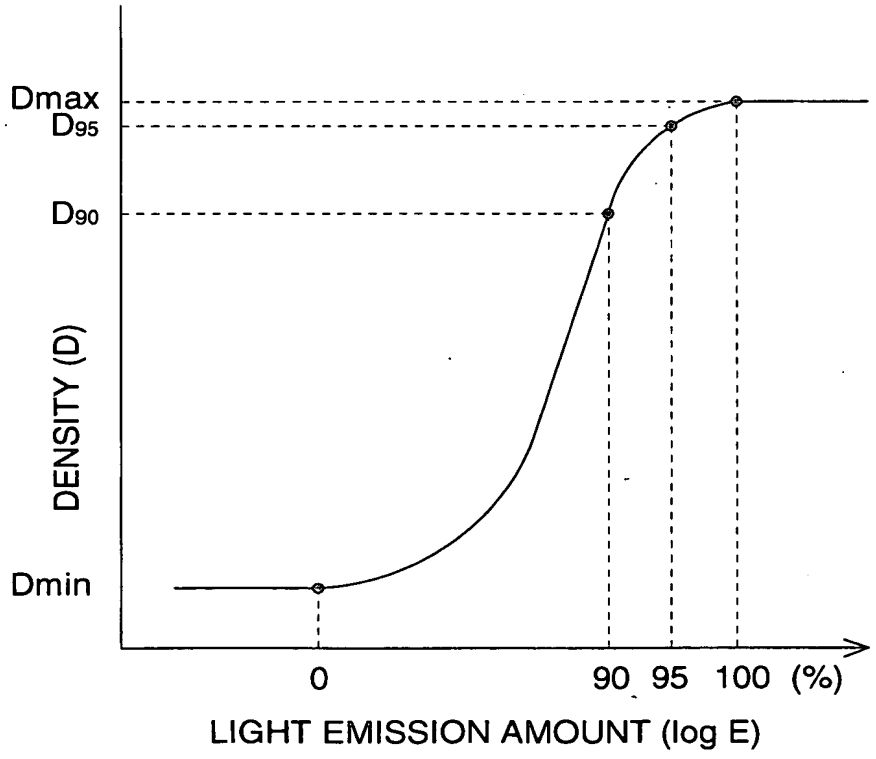


FIG. 13

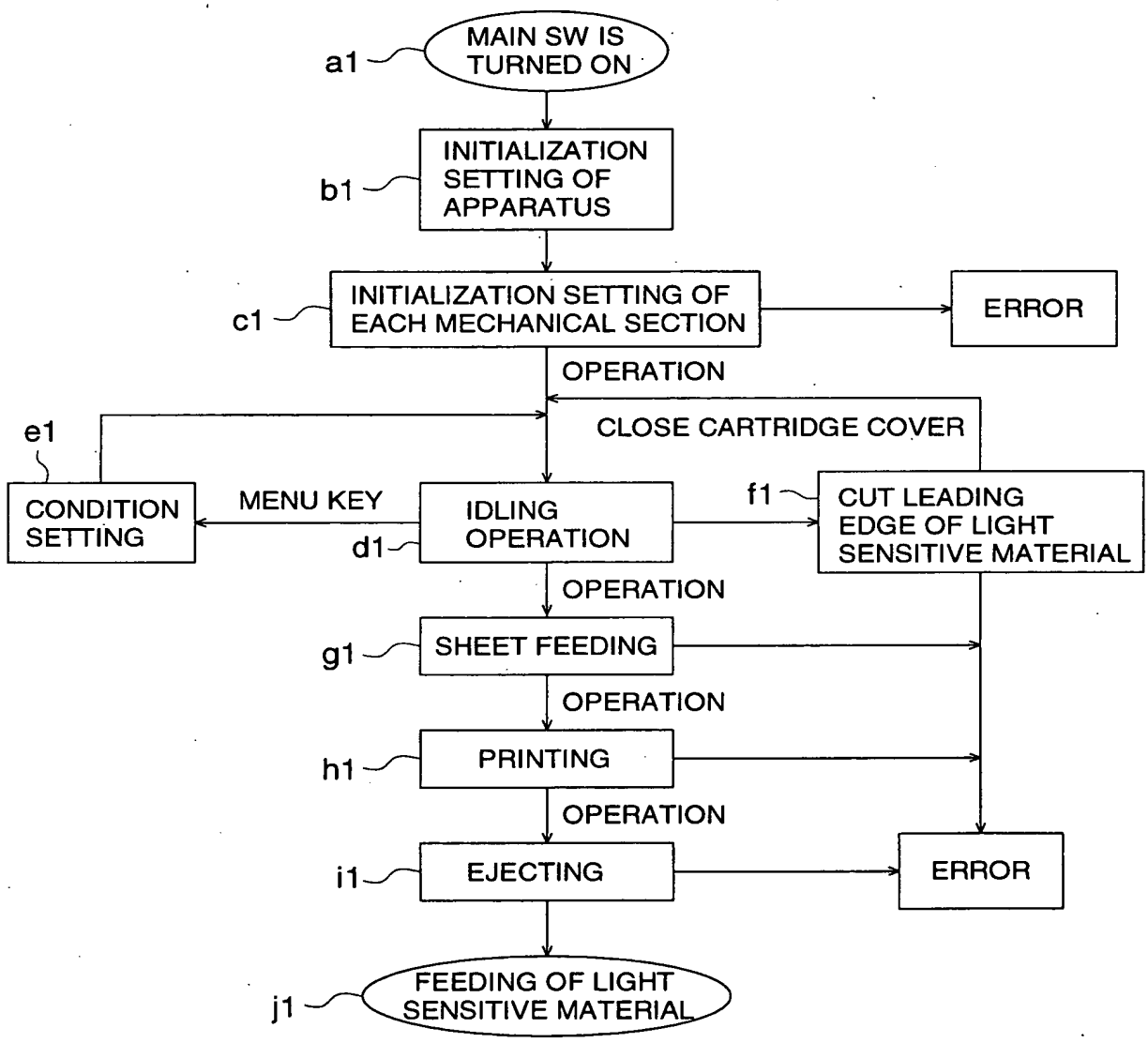

a1
MAIN SW IS TURNED ON
b1
INITIALIZATION SETTING OF APPARATUS
c1
INITIALIZATION SETTING OF EACH MECHANICAL SECTION
ERROR
OPERATION
CLOSE CARTRIDGE COVER
e1
CONDITION SETTING
MENU KEY
IDLING OPERATION
d1
f1
CUT LEADING EDGE OF LIGHT SENSITIVE MATERIAL
OPERATION
g1
SHEET FEEDING
OPERATION
h1
PRINTING
OPERATION
i1
EJECTING
ERROR
j1
FEEDING OF LIGHT SENSITIVE MATERIAL

FIG. 14

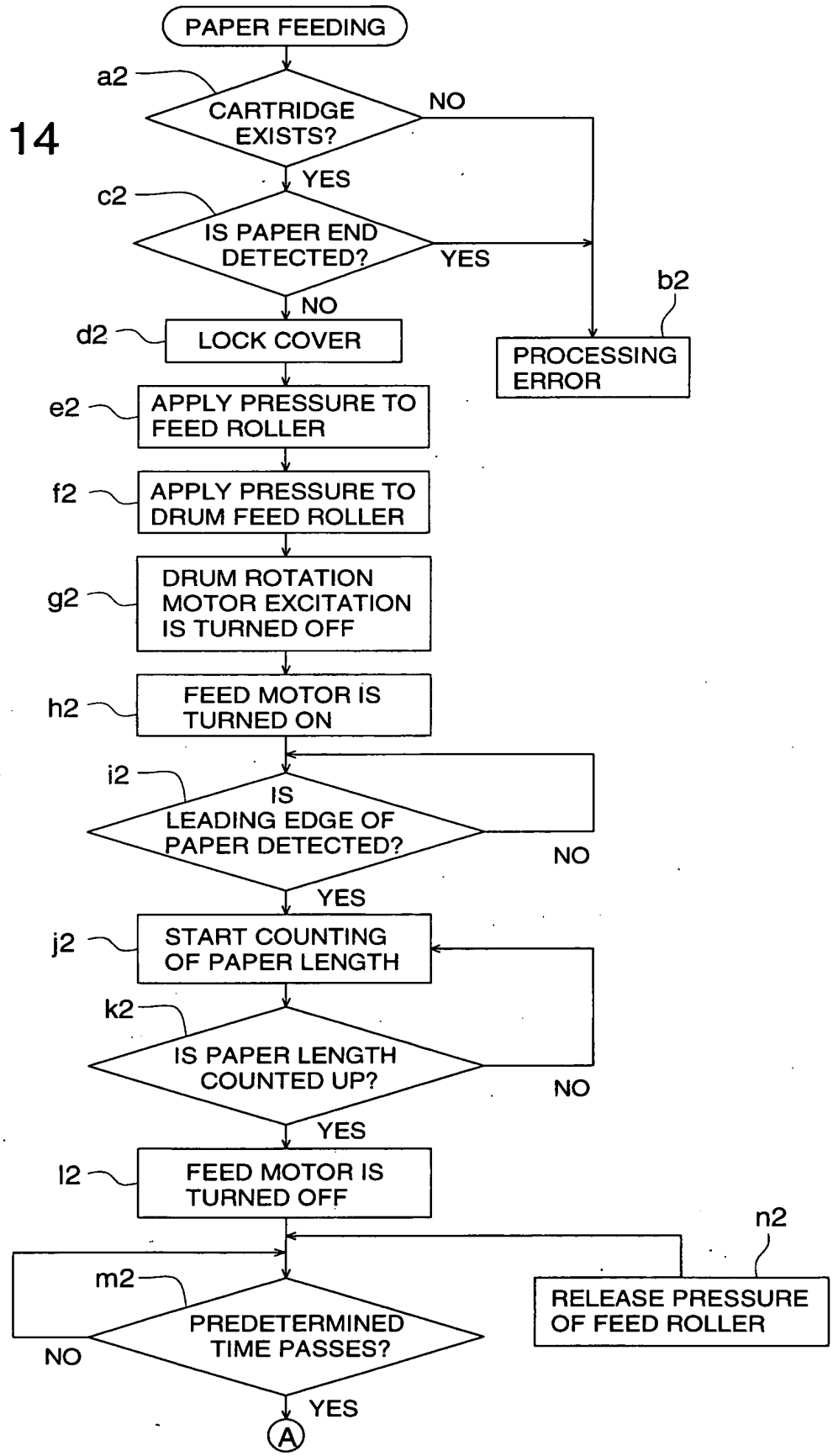

PAPER FEEDING
a2
CARTRIDGE EXISTS?
NO
YES
c2
IS PAPER END DETECTED?
YES
NO
b2
PROCESSING ERROR
d2
LOCK COVER
e2
APPLY PRESSURE TO FEED ROLLER
f2
APPLY PRESSURE TO DRUM FEED ROLLER
g2
DRUM ROTATION MOTOR EXCITATION IS TURNED OFF
h2
FEED MOTOR IS TURNED ON
i2
IS LEADING EDGE OF PAPER DETECTED?
NO
YES
j2
START COUNTING OF PAPER LENGTH
k2
IS PAPER LENGTH COUNTED UP?
NO
YES
l2
FEED MOTOR IS TURNED OFF
n2
RELEASE PRESSURE OF FEED ROLLER
m2
PREDETERMINED TIME PASSES?
NO
YES
A

FIG. 15

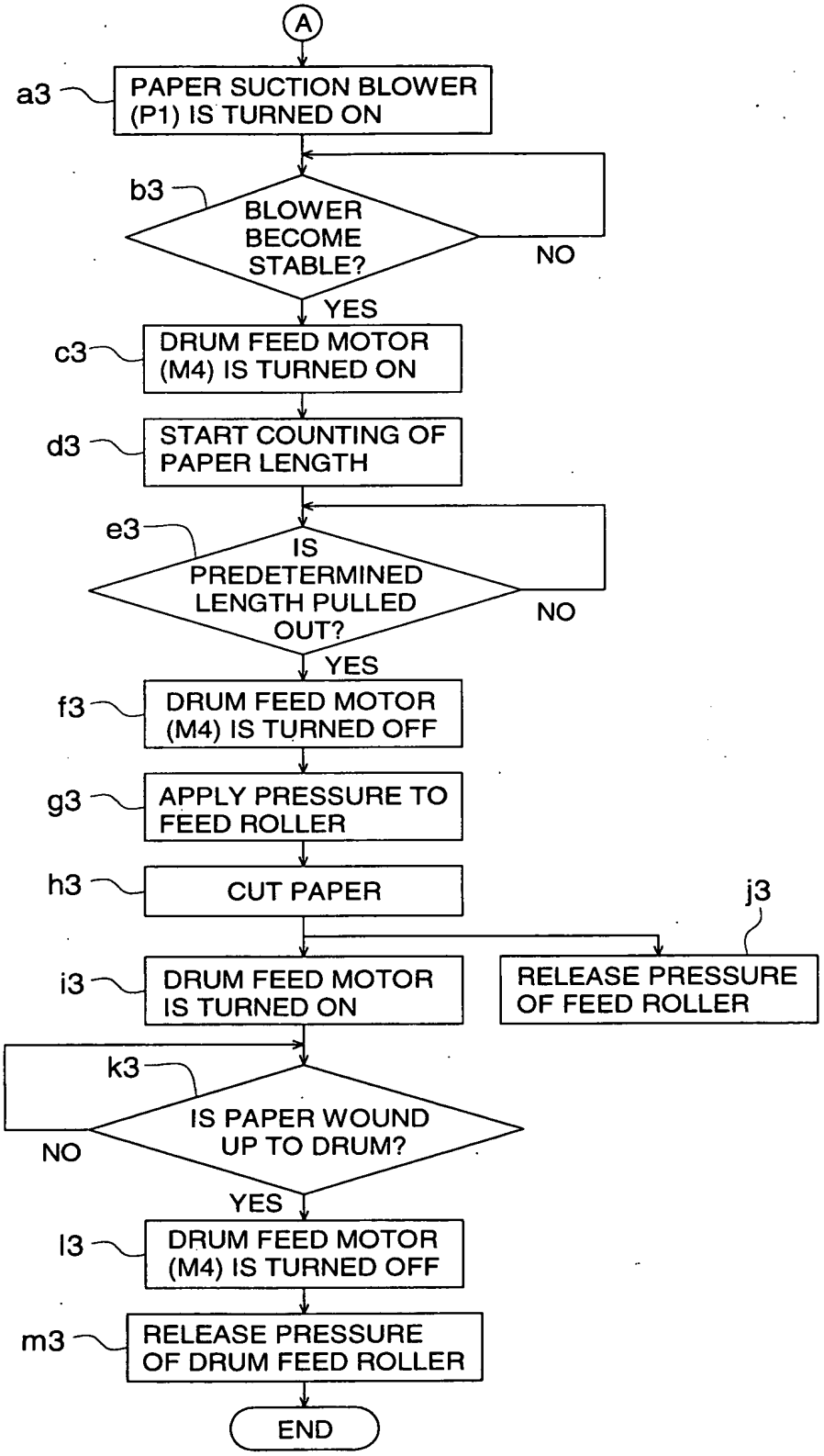

A
a3
PAPER SUCTION BLOWER (P1) IS TURNED ON
b3
BLOWER BECOME STABLE?
NO
YES
c3
DRUM FEED MOTOR (M4) IS TURNED ON
d3
START COUNTING OF PAPER LENGTH
e3
IS PREDETERMINED LENGTH PULLED OUT?
NO
YES
f3
DRUM FEED MOTOR (M4) IS TURNED OFF
g3
APPLY PRESSURE TO FEED ROLLER
h3
CUT PAPER
j3
RELEASE PRESSURE OF FEED ROLLER
i3
DRUM FEED MOTOR IS TURNED ON
k3
IS PAPER WOUND UP TO DRUM?
NO
YES
l3
DRUM FEED MOTOR (M4) IS TURNED OFF
m3
RELEASE PRESSURE OF DRUM FEED ROLLER
END

FIG. 16

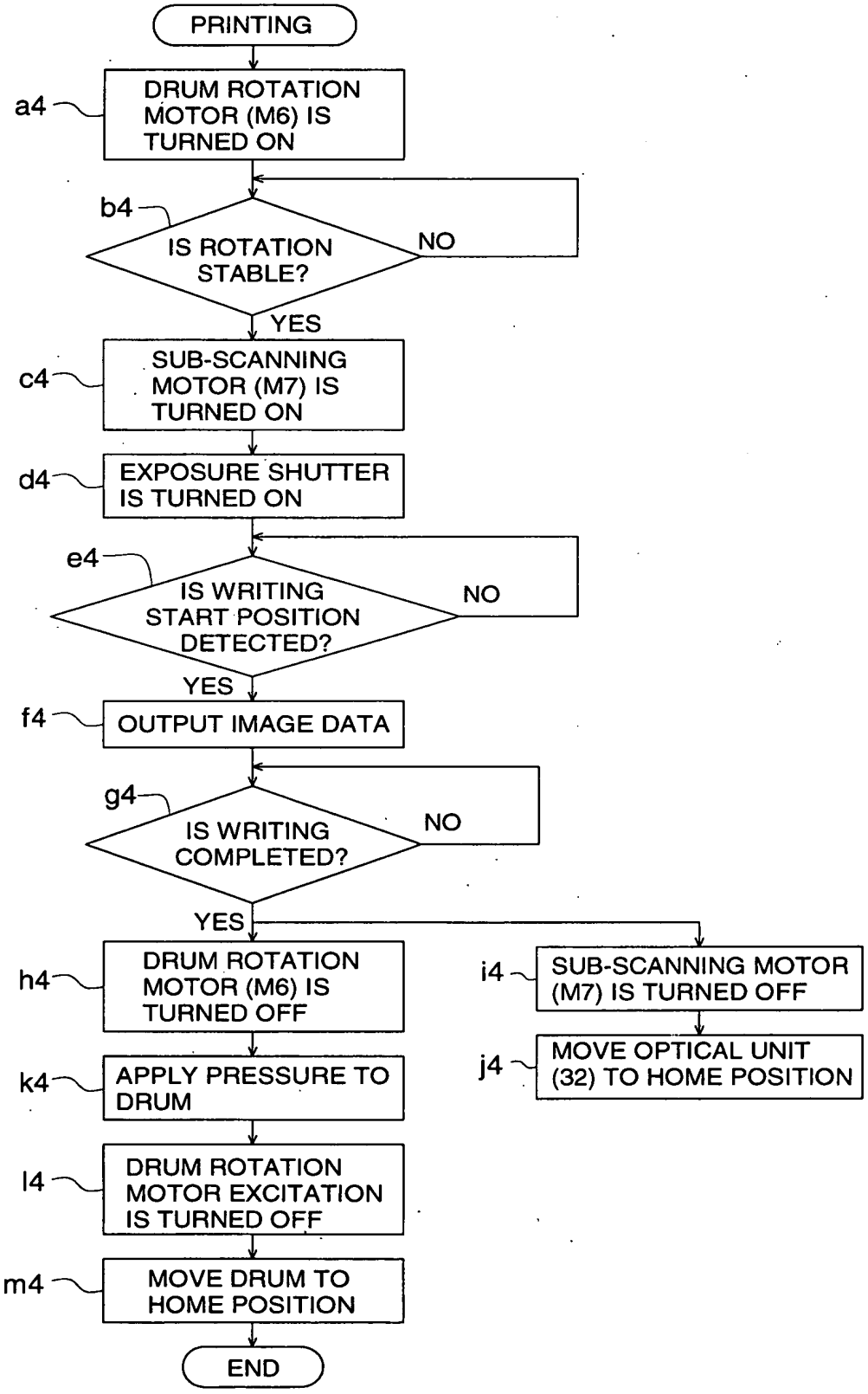

PRINTING
a4
DRUM ROTATION MOTOR (M6) IS TURNED ON
b4
IS ROTATION STABLE?
NO
YES
c4
SUB-SCANNING MOTOR (M7) IS TURNED ON
d4
EXPOSURE SHUTTER IS TURNED ON
e4
IS WRITING START POSITION DETECTED?
NO
YES
f4
OUTPUT IMAGE DATA
g4
IS WRITING COMPLETED?
NO
YES
h4
DRUM ROTATION MOTOR (M6) IS TURNED OFF
i4
SUB-SCANNING MOTOR (M7) IS TURNED OFF
j4
MOVE OPTICAL UNIT (32) TO HOME POSITION
k4
APPLY PRESSURE TO DRUM
l4
DRUM ROTATION MOTOR EXCITATION IS TURNED OFF
m4
MOVE DRUM TO HOME POSITION
END

FIG. 17

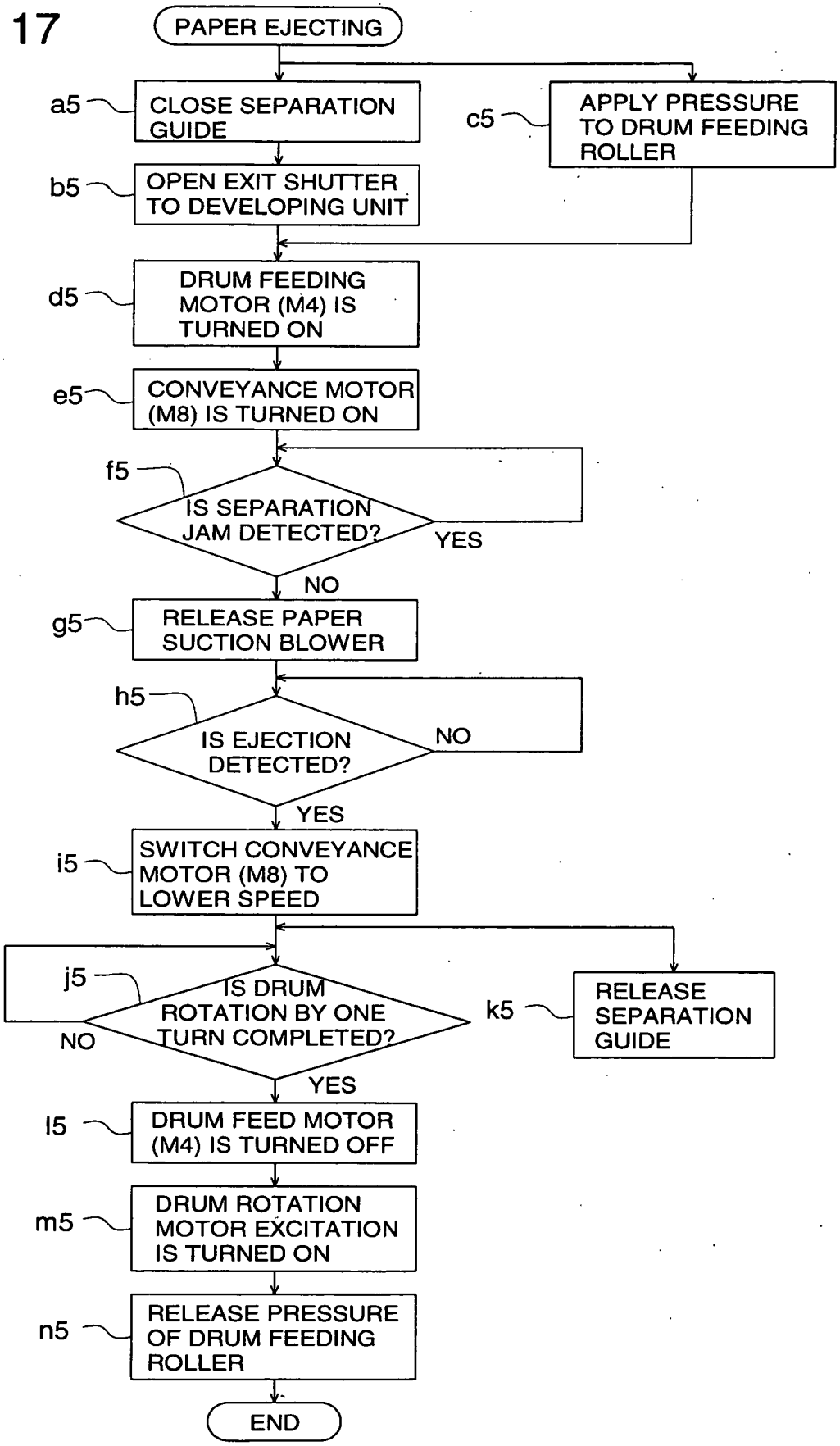
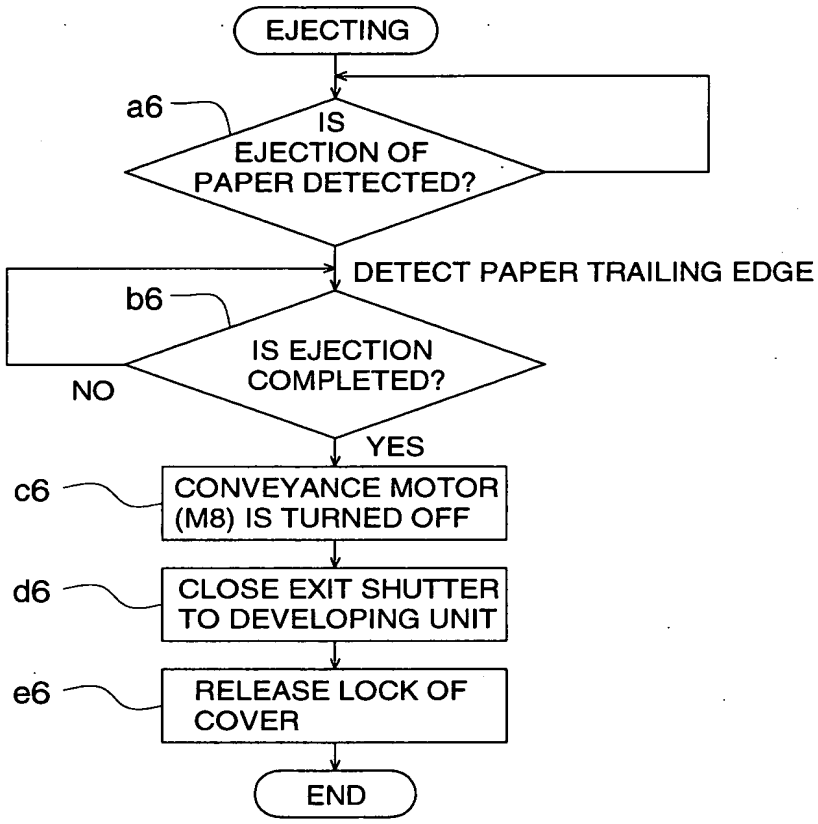

PAPER EJECTING
a5
CLOSE SEPARATION GUIDE
b5
OPEN EXIT SHUTTER TO DEVELOPING UNIT
c5
APPLY PRESSURE TO DRUM FEEDING ROLLER
d5
DRUM FEEDING MOTOR (M4) IS TURNED ON
e5
CONVEYANCE MOTOR (M8) IS TURNED ON
f5
IS SEPARATION JAM DETECTED?
YES
NO
g5
RELEASE PAPER SUCTION BLOWER
h5
IS EJECTION DETECTED?
NO
YES
i5
SWITCH CONVEYANCE MOTOR (M8) TO LOWER SPEED
j5
IS DRUM ROTATION BY ONE TURN COMPLETED?
NO
YES
k5
RELEASE SEPARATION GUIDE
l5
DRUM FEED MOTOR (M4) IS TURNED OFF
m5
DRUM ROTATION MOTOR EXCITATION IS TURNED ON
n5
RELEASE PRESSURE OF DRUM FEEDING ROLLER
END

FIG. 18


EJECTING
a6
IS EJECTION OF PAPER DETECTED?
DETECT PAPER TRAILING EDGE
b6
IS EJECTION COMPLETED?
NO
YES
c6
CONVEYANCE MOTOR (M8) IS TURNED OFF
d6
CLOSE EXIT SHUTTER TO DEVELOPING UNIT
e6
RELEASE LOCK OF COVER
END